

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

MPP

Date: 10.03.01	Job No.: RD0337MAR	ADR Yes/No: N	ADR Date:	ECN #: 10- 530
Product No.: D206-628		Created By: CP	Approved By:	
Item Name: Steps		Checked By:	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	Y	BG	
Purchasing Coord.	N		
Production Engineering Coord.	Y	EC/DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	
Customer Technical Support	Y	DStw	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:

NCR 10-005 (-013/-014 steps are not compatible with Apical tribag floats even though IIN says they are)

Documents Affected:

- Release:
- DSI 9500 Rev. A
 - D4064 Rev. A

PARTS MUST COMPLY



PREVIOUS PARTS SATISFACTORY



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	Y	SW	Do we notify existing customers?	
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	CP		10.03.02 CP
6	Update Product Compatibility Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	Y	CP		

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.03.02 KJ
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.03.02 KJ
12	Update Controlled PDF Files	Y	KJ		10.03.02 KJ
13	Update Document Record (DR)	Y	KJ	Rev. H	10.03.02 KJ
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	Y	KJ		10.03.02 KJ
17	Update / Verify ARC Database	Y	KJ	#32	10.03.02 KJ
18	Create / Update Change Record Form / Item Card Database	Y	KJ	D206-628-013/-014 @ CHG 006, DSI 9500-011 @ CHG 001	10.03.02 KJ
19	Create / Update PPP's	Y	KJ		
20	Update Document Control Database / Laminated Dwgs	N			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		10.03.02 KJ
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		10.03.02 KJ
23					
24					

Description / Action:

- D206-628-013/-014 now at CHG 006
- pick kits for -013/-014 updated per DSI 9500
- update -013/-014 kits in stock with DSI and hardware per DSI 9500, update chg number To CHG 006
- D4064-041 new clamp that needs to be water jetted (bigger than existing clamp extrusion)
- DSI-9500-011 new kit at CHG 001, req'd for existing customers who have Apical Tribag floats, not req'd if they have OEM floats

w/o 56550 DSI
w/o

ECN Verified & Complete: _____

Date: _____

L Lacelle

From: Sian Willems [swillems@dartaero.com]

Sent: March 1, 2010 5:03 PM

To: 'L Lacelle'

Subject: pricing calculation

Hi Linda,

For spares, it's pretty easy, just divide the cost from intuitive by 0.35. This will give you the DAS to DHS price in usd, 0% discount/commission. DHS gets no commission on spares, they mark up the price how they see fit.

The only exceptions are:

Wearplates, these we must provide the list price that they would sell to the customer at and it is based on cost but also consistency with published prices for similar wearplates in the catalogue

Spares where the part makes up a significant portion of the kit. Watch out for these, give me a call if you get any and we'll talk about it.

Thanks & sorry that this got dumped on your already full plate. Hope you have a good week, see you next Monday. I'll have my cell so call me if you need me.

Sian Willems

Marketing

T - 1.613.632.5200

F - 1.613.632.1185

C - 1.613.676.0577

swillems@dartaero.com

DART aerospace Ltd.

3/03/10

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

Date: 10.03.01	Job No.: RD0337MAR	ADR Yes/No: N	ADR Date:	ECN #: 10- 530
Product No.: D206-628		Created By: CP	Approved By: <i>[Signature]</i>	
Product Name: Steps		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	<i>ML 10-3-2</i>
Production Document Control	N		
Purchasing Coord.	N		
Production Engineering Coord.	Y	EC/DD	<i>MA 10.03.02</i>

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	<i>10.03.02</i>
Customer Technical Support	Y	DStw	<i>10.03.02</i>
Marketing	Y	SW	<i>10.03.02</i>
Customer Order Processing	N		

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NCR 10-005 (-013/-014 steps are not compatible with Apical tribag floats even though IIN says they are)

Documents Affected:
Release:
- DSI 9500 Rev. A
- D4064 Rev. A

PARTS MUST COMPLY ☒ **PREVIOUS PARTS SATISFACTORY** ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
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3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
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9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
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13	Update Document Record (DR)	Y	KJ	<i>Rev. H</i>	<i>10.03.02</i>
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	Y	KJ		<i>10.03.02</i>
17	Update / Verify ARC Database	Y	KJ	<i>#32</i>	<i>10.03.02</i>
18	Create / Update Change Record Form / Item Card Database	Y	KJ	<i>D206-628-013/-014 @ CHG 006, DSI 9500-011 @ CHG 001</i>	<i>10.03.02</i>
19	Create / Update PPP's	Y	KJ		<i>10.03.02</i>
20	Update Document Control Database / Laminated Dwgs	N			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		<i>10.03.02</i>
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		<i>10.03.02</i>
23					
24					

Description / Action:
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- pick kits for -013/-014 updated per DSI 9500
- update -013/-014 kits in stock with DSI and hardware per DSI 9500, update chg number *to CHG 006*
- D4064-041 new clamp that needs to be water jetted (bigger than existing clamp extrusion)
- DSI-9500-011 new kit at CHG 001, req'd for existing customers who have Apical Tribag floats, not req'd if they have OEM floats

W 10.03.19

58821 58822 - N7en
58824 58827 - Offshore

ECN Verified & Complete: _____ Date: _____

L Lacelle

From: Kim Johnston [kjohnston@dartaero.com]

Sent: March 11, 2010 11:45 AM

To: 'L Lacelle'

Subject: RE: ECN10-530

I know that in chg002 extra inserts were added per D2841 Rev A1 (03.03.03) and in chg004 DSI 9332 Rev B was added per ECN 1118 (08.02.04) but not sure what the change is for chg003. Maybe David can remember, I'll ask.

Kim

From: L Lacelle [mailto:llacelle@dartaero.com]

Sent: Thursday, March 11, 2010 10:37 AM

To: 'Kim Johnston'

Subject: RE: ECN10-530

So can you tell me what has been changed since??

From: Kim Johnston [mailto:kjohnston@dartaero.com]

Sent: March 11, 2010 10:29 AM

To: 'L Lacelle'

Subject: RE: ECN10-530

All kits have to be brought up to chg006 (per DS) so the chg 2 & 3 may need extra rework to bring them to 6. We have skipped chg 5 because of error on DSI (easier to skip chg # than to fix DSI).

Kim

From: L Lacelle [mailto:llacelle@dartaero.com]

Sent: Thursday, March 11, 2010 10:14 AM

To: 'Johnston, Kim'

Subject: ECN10-530

Hi Kim,

I have ECN10-530 to update D206-628-013/-014's to CHG006, but the ones we have in stock are at chg002,003 &004...

Thank You,

Linda Lacelle

Production Manager

Dart Aerospace Ltd

3/11/10

Change Record

Part Number D206-628-013/014 (QS)

Description HELL-ACCESS-STEP Installation (20GA/13 FLAT)

Part Number D206-628-013/-014 (QS)

Description HELI-ACCESS-STEP Installation (20GA/13 FLOAT)

H:\admin-qalis\forms\Change Record A

Rev. A

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D206-628 REV. F

REF FAA STC: SA00500SE

REF TCCA STC: SH98-14

REF EASA STC EASA.IM.R.S.01339

PURPOSE:

UNMODIFIED D206-628-013/-014 STEP INSTALLATIONS AT CHANGE 005 (OR EARLIER) WILL NOT INSTALL AT THE 18.50" HEIGHT REQUIRED FOR COMPATIBILITY WITH APICAL TRI-BAG FLOATS.

CHANGE:

D206-628-013/-014 STEP INSTALLATIONS AT CHANGE 006 (OR LATER) CONTAIN NEW MOUNTING LUGS FOR COMPATIBILITY WITH APICAL FLOATS.

CONTRARY TO INSTALLATION INSTRUCTIONS IIN-D206-628, FOR COMPATIBILITY WITH APICAL TRI-BAG FLOATS, THE D206-628-013/-014 STEP INSTALLATIONS SHOULD BE INSTALLED AT A HEIGHT OF 17.25" PER FIGURE 1 OF THIS SERVICE INSTRUCTION.

WHEN INSTALLING THE MOUNTING LUGS, IT IS ACCEPTABLE TO USE LONGER/SHORTER AN4C BOLTS AS REQUIRED AND/OR INSTALL EXTRA AN960C416/416L WASHERS UNDER THE BOLT HEADS TO ENSURE 1.5 TO 4 THREADS IN SAFETY.

PARTS LIST OF SECTION 5.2 (PG. 12) OF IIN-D206-628-013/-014 REV. F IS AMENDED AS FOLLOWS:

QTY -013	QTY -014	QTY -023	QTY -024	QTY -033	QTY -034	Part Number	Description
X						D206-628-013	206 A/B FLOAT STEP INSTALLATION, LH
	X					D206-628-014	206 A/B FLOAT STEP INSTALLATION, RH

WAS:

2	2					D2731-3	MOUNTING LUG <i>remove</i>
2	2					D2731-7	MOUNTING LUG <i>remove</i>
2	2					D3394-041	MOUNTING LUG <i>remove</i>
2	2					D3394-043	MOUNTING LUG <i>remove</i>
16	16					AN960C416L	WASHER <i>remove</i>

IS:

4	4					D2731-7	MOUNTING LUG <i>add 2</i>
4	4					D3394-043	MOUNTING LUG <i>add 2</i>
1	1					D4064-041	MOUNTING LUG (NEW) <i>add</i>
1	1					*D4064-1	LUG
2	2					*MS35489-93	GROMMET <i>add</i>
16	16					AN960C416	WASHER <i>add</i>

* DENOTES THAT PART IS INCLUDED IN ASSEMBLY ABOVE

A	NEW ISSUE	CP	10.01.29
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>qp</i>	DART AEROSPACE USA, INC	
DRAWN	<i>qp</i>	PORT HADLOCK, WA	
CHECKED	<i>3</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>N/A</i>	DSI 9500	SHEET 1 OF 4
APPROVED	<i>H</i>	TITLE	SCALE
DE APPR.	<i>H</i>	MOUNTING LUG CHANGE	NTS
DATE	10.01.29	<small>COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

THE DSI-9500-011 LUG UPGRADE KIT IS AVAILABLE TO UPDATE EXISTING D206-628-013/-014 STEPS TO CHANGE 006. THE UPGRADE KIT INCLUDES ADDITIONAL LUGS FOR STEPS INSTALLED WITH APICAL TRI-BAG FLOATS (AT 17.25" HEIGHT). EXISTING D206-628-013/-014 STEPS INSTALLED WITH OEM FLOATS (AT 15.00" HEIGHT) DO NOT REQUIRE THE KIT. THE UPGRADE KIT SHOULD BE INSTALLED PER THIS SERVICE INSTRUCTION AND IIN-D206-628 REV. F.

QTY -011	Part Number	Description
X	DSI-9500-011	LUG UPGRADE KIT, 206 A/B FLOAT STEP
2	D2731-7	MOUNTING LUG (REPLACES D2731-3 MOUNTING LUG)
8	D2732-030	RUBBER CUSHION
2	D3394-043	MOUNTING LUG (REPLACES D3394-041 MOUNTING LUG)
1	D4064-041	MOUNTING LUG (REPLACES ONE D3394-043 FOR APICAL TRI-BAG FLOAT COMPATIBLE INSTALL)
4	AN4C13A	BOLT
4	AN4C14A	BOLT
4	AN4C15A	BOLT
16	AN960C416	WASHER
8	AN960C416L	WASHER
24	NAS1515H4L	WASHER
12	MS21043-4	NUT

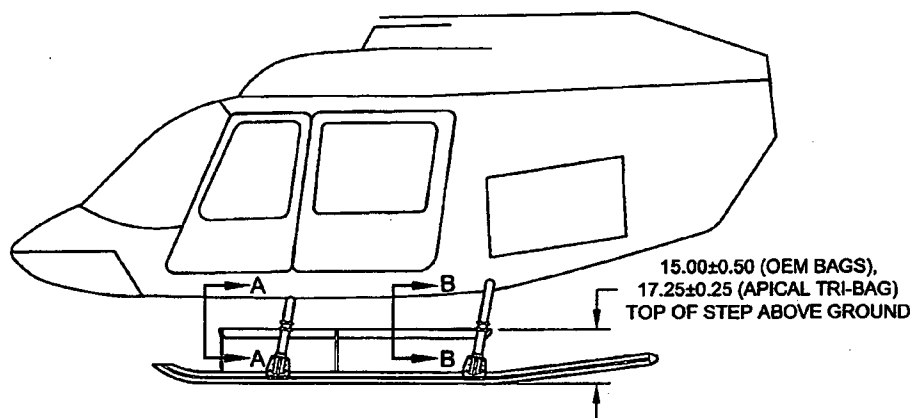
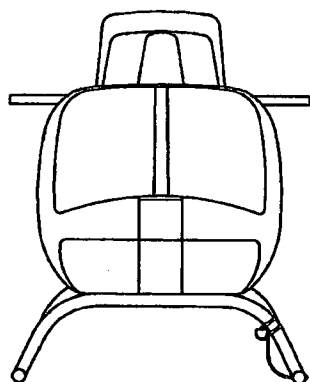


FIGURE 1
D206-628-013 (SHOWN) / -014 (OPPOSITE)
206 A/B FLOAT STEP INSTALLATION

DESIGN	97	DART AEROSPACE USA, INC	
DRAWN	97	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9500	SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG CHANGE	NTS
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List Lots

March 10, 2010 7:36:36 AM

Page 1 of 1

Criteria : Item ID: d206-628-013 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D206-628-013	Main Warehouse	36963	12/07/09	1.0000		QC21	CHG004	
Heli-Access-Step LH	FG							
	Main Warehouse	52159	12/07/09	4.0000		QC21	CHG004	
	FG							
	OFFSHORE	18942	12/07/09	1.0000		QC21	CHG002	224
	FG							
	OFFSHORE	36078	12/07/09	1.0000		QC21	CHG003	224
	FG							
Total:				7.0000				

done in COSS
w/o 37223

55821

56784

List Lots

March 10, 2010 7:36:38 AM

Page 1 of 1

Criteria : Item ID: d206-628-014 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D206-628-014 Heli-Access-Step RH	Main Warehouse	36964	12/07/09	3.0000		QC21	CHG004	
	FG							
	Main Warehouse	52160	12/07/09	2.0000		QC21	CHG004	
	FG							
	OFFSHORE	18943	12/07/09	2.0000		QC21	CHG002	done in cross
	FG							no 38248 / 37224
Total:				7.0000				

5822

56785